

FOR OFFICE USE ONLY:

Version # \_\_\_\_\_

APP # 700057

## 1. Project Description

### A. Statement of GO Activity

This project consists of trail maintenance and conservation activities of 45 miles of trails, 140 acres of open use areas and facilities maintenance for 3 staging areas

1 Littlerock – serves the Antelope valley area of north Los Angeles county

2 Rowher Flats and Drinkwater Flats- serves the Los Angeles metropolitan area

The funds for trail maintenance requested for this project will provide routine maintenance on the trail system to ensure the protection of the resources and provide a safe, operable and challenging system thereby encouraging users to stay on the designated trails. The designated trail system provides for long distance travel along with a variety of loops for shorter duration travel. The designated system also provides the user with a variety of vehicle uses. The trail system includes difficulty ranging from easy to most difficulty. Along the trail system you can find steep slopes, narrow trails, sharp curves and a contrast of vegetation types which all add to the user's challenges and experience.

The trail maintenance activities will include:

1 Brushing- (removing excess vegetation from within the parameters of the width of the trail). This is accomplished using chain saws; pruning shears and the brush harrow which is pulled behind an ATV.

2 Grooming- filling small ruts on the trail treads with outside berm material, removing sluff material which collects along the inside of the trail tread. The sluff is also used to fill ruts on the trail tread. In most cases this is accomplished using hand-scraping tools and in severe cases of sluff and berm build-up, the use of the Sweco trail tractor is utilized.

3 Signing- replacement, repair and installation of trail etiquette, trail difficulty, trail use, trail names and trail directions.

The trail conservation techniques of hardening drainage dips has proven to reduce soil loss, protect the resources and reduced the need for heavy equipment. Heavy motorcycle use on the trails can cause rutting in the center of the trail especially on rolling dips. The use of hardening blocks to harden drainage dips has reduced the break down of these dips by vehicle traffic. For the last four years we have been installing hardening blocks on the ATV and motorcycle trails. We have installed over 700 hardening blocks on the apex of the dips. This prevents the break down of the dip which controls drainage and reduces soil loss. This technique will continue to be used to minimize soil loss, eliminate the need for heavy maintenance and reduce cost in the future. We are presently experimenting with larger hardening block for use on our four wheel drive roads. With the traffic of heavier vehicles on four wheel drive roads the drainages are holding up which will reduce the frequency for maintenance.

Trail Conservation activities include:

1 Tread hardening- installation of 16"x24"x4" turf block to stabilize trail tread on steep slopes and areas of highly erodable soils.

2 Drainage controls- Hardening drainage dips with the use of 4"x4"x5' concrete blocks to prevent the break down of the rolling dips. If new rolling dips are needed a trail tractor is used to build the dip and prepare the dip for hardening blocks.

3 Retaining walls- where geographic drainages cross the trail tread; retaining walls are constructed to retain the soils on the tread. These walls range from 4 ft. in length to 12 ft. in length and can be to 3 ft. high. These walls are made of upright beams with 2"x4"x4' treated wood planks and inserted in between the beams. The wall unit is then anchored using 1/2"x6' long rods that are driven into the ground. The location of the retaining wall is prepared with the Sweco trail tractor and the wall is built by hand.

4 Monitoring Surveys- Current soils loss surveys will be performed using the OHV Trail Condition Evaluation form and 25% OHV trails will be surveyed monthly. Wildlife, stream channel crossings and plant surveys will use the Wildlife Habitat Monitoring forms to determine if there are any impacts from OHV use.

Facility maintenance activities include

- 1 Restroom Cleaning- Four restrooms in the Rowher Flat OHV area witch include restocking toilet paper and removing graffiti as needed.
- 2 Trash Removal- empties trash cans in the Rowher and Drinkwater Flats OHV areas as needed.
- 3 Maintaining Kiosks – updating OHV on information boards or kiosks in the Littlerock, Rowher and Drinkwater Flats areas

#### **B. Relation of Proposed Project to OHV Recreation**

This project will minimize the damage to natural and cultural resources by providing routine maintenance before trails become unsafe or overgrown for the users thus encouraging them to leave the designated trails. Some OHV trails and areas are located in or by known archeological sitesand endangered species habitats and require physical barriers and signs to ensure users stay in the designated areas reducing the damage natural and cultural resources. This project will also provide regular facility maintenance to reduce the amount of human waste and trash into the environment and damaging the water quality and wildlife habitats.

#### **C. Size of the Project**

This project consists of trail maintenance and conservation activities of 270 miles of routes, 140 acres of open use areas and facilities maintenance for four staging areas.

#### **D. Location and description of OHV opportunities**

- 1 Littlerock – serves the Antelope valley area of north Los Angeles county
- 2 Rowher Flats and Drinkwater Flats- serves the Los Angeles metropolitan area
- 3 San Gabriel Canyon OHV Area- serves the Los Angeles metropolitan area

Opporianties include motorcycle,ATV,4X4,and Dune Buggies routes and ATV training coruses. The routes range from easy to most diffucult with some routes providing a short or long distance travel. Rowher Flat area also provides a kids area for begining riders of motorcycles and ATVs.

## **2. Rerouting Requirements**

#### **Rerouting**

- (a) Does your project involve rerouting of any roads and trails? ☐ Yes ☒ No

If response to question (a) is 'Yes', a Project timeline, conceptual drawings and site plans are required (See 'Attachments' tab at the top of the screen)

If response to question (a) is 'No', skip details related to rerouting

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1. **Project Timeline (Required if project includes necessary rerouting)**
2. **Conceptual Drawings and Site Plans (Required if project includes necessary rerouting)**
3. **Project-Specific Maps**  
Attachments: [Project Map](#)
4. **Optional Project-Specific Application Documents**

Project Cost Estimate for Grants and Cooperative Agreements Program - 2008/2009  
Agency: USFS - Angeles National Forest  
Application: Ground Operations

6/2/2009

FOR OFFICE USE ONLY:		Version # _____	APP # _____
<b>APPLICANT NAME :</b>	USFS - Angeles National Forest		
<b>PROJECT TITLE :</b>	Ground Operations	<b>PROJECT NUMBER (Division use only) :</b>	
<b>PROJECT TYPE :</b>	<input type="checkbox"/> Acquisition <input type="checkbox"/> Development <input type="checkbox"/> Education & Safety <input checked="" type="checkbox"/> Ground Operations <input type="checkbox"/> Law Enforcement <input type="checkbox"/> Planning <input type="checkbox"/> Restoration		
<b>PROJECT DESCRIPTION :</b>	<p>This project consists of trail maintenance and conservation activities of 45 miles of trails, 140 acres of open use areas and facilities maintenance for 3 staging areas  1 Littlerock – serves the Antelope valley area of north Los Angeles county  2 Rowher Flats and Drinkwater Flats- serves the Los Angeles metropolitan area</p> <p>The funds for trail maintenance requested for this project will provide routine maintenance on the trail system to ensure the protection of the resources and provide a safe, operable and challenging system thereby encouraging users to stay on the designated trails. The designated trail system provides for long distance travel along with a variety of loops for shorter duration travel. The designated system also provides the user with a variety of vehicle uses. The trail system includes difficulty ranging from easy to most difficulty. Along the trail system you can find steep slopes, narrow trails, sharp curves and a contrast of vegetation types which all add to the user's challenges and experience.</p> <p>The trail maintenance activities will include:  1 Brushing- (removing excess vegetation from within the parameters of the width of the trail). This is accomplished using chain saws; pruning shears and the brush harrow which is pulled behind an ATV.  2 Grooming- filling small ruts on the trail treads with outside berm material, removing sluff material which collects along the inside of the trail tread. The sluff is also used to fill ruts on the trail tread. In most cases this is accomplished using hand-scraping tools and in severe cases of sluff and berm build-up, the use of the Sweco trail tractor is utilized.  3 Signing- replacement, repair and installation of trail etiquette, trail difficulty, trail use, trail names and trail directions.</p> <p>The trail conservation techniques of hardening drainage dips has proven to reduce soil loss, protect the resources and reduced the need for heavy equipment. Heavy motorcycle use on the trails can cause rutting in the center of the trail especially on rolling dips. The use of hardening blocks to harden drainage dips has reduced the break down of these dips by vehicle traffic. For the last four years we have been installing hardening blocks on the ATV and motorcycle trails. We have installed over 700 hardening blocks on the apex of the dips. This prevents the break down of the dip which controls drainage and reduces soil loss. This technique will continue to be used to minimize soil loss, eliminate the need for heavy maintenance and reduce cost in the future. We are presently experimenting with larger hardening block for use on our four wheel drive roads. With the traffic of heavier vehicles on four wheel drive roads the drainages are holding up which will reduce the frequency for maintenance.</p> <p>Trail Conservation activities include:  1 Tread hardening- installation of 16"x24"x4" turf block to stabilize trail tread on steep slopes and areas of highly erodable soils.  2 Drainage controls- Hardening drainage dips with the use of 4"x4"x5' concrete blocks to prevent the break down of the rolling dips. If new rolling dips are needed a trail tractor is used to build the dip and prepare the dip for hardening blocks.  3 Retaining walls- where geographic drainages cross the trail tread; retaining walls are constructed to retain the soils on the tread. These walls range from 4 ft. in length to 12 ft. in length and can be to 3 ft. high. These walls are made of upright beams with 2"x4"x4' treated wood planks and inserted in between the beams. The wall unit is then anchored using 1/2"x6' long rods that are driven into the ground. The location of the retaining wall is prepared with the Sweco trail tractor and the wall is built by hand.</p>		

Project Cost Estimate for Grants and Cooperative Agreements Program - 2008/2009  
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	<p>4 Monitoring Surveys- Current soils loss surveys will be performed using the OHV Trail Condition Evaluation form and 25% OHV trails will be surveyed monthly. Wildlife, stream channel crossings and plant surveys will use the Wildlife Habitat Monitoring forms to determine if there are any impacts from OHV use.</p> <p>Facility maintenance activities include</p> <p>1 Restroom Cleaning- Four restrooms in the Rowher Flat OHV area witch include restocking toilet paper and removing graffiti as needed.</p> <p>2 Trash Removal- empties trash cans in the Rowher and Drinkwater Flats OHV areas as needed.</p> <p>3 Maintaining Kiosks – updating OHV on information boards or kiosks in the Littlerock, Rowher and Drinkwater Flats areas</p>
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	Line Item	Qty	Rate	UOM	Grant Request	Match	Total
<b>DIRECT EXPENSES</b>							
<b>Program Expenses</b>							
1	<b>Staff</b>						
	Other-OHV Specialist GS-9	100.000	310.000	DAY	21,700.00	9,300.00	31,000.00
	Other-OHV Specialist GS-7	110.000	240.000	DAY	19,200.00	7,200.00	26,400.00
	Other-OHV Specialist GS-5 Notes : SCMRRD-3-GS-5	330.000	170.000	DAY	40,800.00	15,300.00	56,100.00
	Heavy Equipment Operator Notes : SCMRRD Dozer	15.000	290.000	DAY	4,350.00	0.00	4,350.00
	Other-Swamper GS-5	15.000	280.000	DAY	4,200.00	0.00	4,200.00
	Other-Wildlife Biologist Notes : Biologists working from of SO	5.000	370.000	DAY	1,850.00	0.00	1,850.00
	Other-Soil Scientist Notes : Siols scientist working from SO	10.000	370.000	DAY	3,700.00	0.00	3,700.00
	Other-Archeologist Notes : Archeologist working from SO	5.000	370.000	DAY	1,850.00	0.00	1,850.00
	Other-Trail Crew Notes : 4 persons	240.000	240.000	DAY	57,600.00	0.00	57,600.00
	Other-Botonist Notes : Botonist working from SO	5.000	370.000	DAY	1,850.00	0.00	1,850.00

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	Line Item	Qty	Rate	UOM	Grant Request	Match	Total
	<b>Total for Staff</b>				157,100.00	31,800.00	188,900.00
<b>2</b>	<b>Contracts</b>						
<b>3</b>	<b>Materials / Supplies</b>						
	Other-Hardening Block	200.000	5.000	EA	1,000.00	0.00	1,000.00
	Other-Retaining Wall	100.000	25.000	EA	2,500.00	0.00	2,500.00
	Other-Chainsaw Repair & Maint. Notes : SCMRRD	1.000	500.000	EA	500.00	0.00	500.00
	Other-Field Fence	15.000	90.000	EA	1,350.00	0.00	1,350.00
	Other-Metal T-Post	500.000	4.000	EA	2,000.00	0.00	2,000.00
	Other-wood Barriers	100.000	15.000	EA	1,500.00	0.00	1,500.00
	Other-Gaurdrail	15.000	200.000	EA	3,000.00	0.00	3,000.00
	Other-Hand Tools	1.000	500.000	EA	500.00	0.00	500.00
	Other-Cleaning Supplies	1.000	1000.000	EA	1,000.00	0.00	1,000.00
	<b>Total for Materials / Supplies</b>				13,350.00	0.00	13,350.00
<b>4</b>	<b>Equipment Use Expenses</b>						
	Other-MC/ATV/Class 903 For Notes : SCMRRD-Match, 2-MC, 2-ATV @ 11 mos. ea.	44.000	183.000	MOS	0.00	8,052.00	8,052.00
	Other-4x4 PU/Class 265 For Notes : SCMRRD-Match, 4 Vehicles @ 10 mos. ea.	40.000	412.000	MOS	0.00	16,480.00	16,480.00
	Other-4x4 PU/Class 265 Use Notes : SCMRRD-Match. 4 Vehicles @10,000 mi. ea.	40000.00 0	0.460	MI	0.00	18,400.00	18,400.00
	<b>Total for Equipment Use Expenses</b>				0.00	42,932.00	42,932.00
<b>5</b>	<b>Equipment Purchases</b>						
<b>6</b>	<b>Others</b>						

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	Line Item	Qty	Rate	UOM	Grant Request	Match	Total
7	<b>Administrative Costs</b>						
	Administrative Costs-Billing and Documen	1.000	17000.000		0.00	17,000.00	17,000.00
<b>Total Program Expenses</b>					170,450.00	91,732.00	262,182.00
<b>TOTAL DIRECT EXPENSES</b>					170,450.00	91,732.00	262,182.00
<b>TOTAL EXPENDITURES</b>					<b>170,450.00</b>	<b>91,732.00</b>	<b>262,182.00</b>

Project Cost Summary for Grants and Cooperative Agreements Program - 2008/2009  
Agency: USFS - Angeles National Forest  
Application: Ground Operations

6/2/2009

	Line Item	Grant Request	Match	Total	Narrative
<b>DIRECT EXPENSES</b>					
<b>Program Expenses</b>					
1	Staff	157,100.00	31,800.00	188,900.00	
2	Contracts	0.00	0.00	0.00	
3	Materials / Supplies	13,350.00	0.00	13,350.00	
4	Equipment Use Expenses	0.00	42,932.00	42,932.00	
5	Equipment Purchases	0.00	0.00	0.00	
6	Others	0.00	0.00	0.00	
7	Administrative Costs	0.00	17,000.00	17,000.00	
<b>Total Program Expenses</b>		170,450.00	91,732.00	262,182.00	
<b>TOTAL DIRECT EXPENSES</b>		170,450.00	91,732.00	262,182.00	
<b>TOTAL EXPENDITURES</b>		<b>170,450.00</b>	<b>91,732.00</b>	<b>262,182.00</b>	



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**ITEM 1 and ITEM 2**

**ITEM 1**

- a. ITEM 1 - Has a CEQA Notice of Determination (NOD) been filed for the Project? ☐ Yes ☒ No  
(Please select Yes or No)

**ITEM 2**

- b. ITEM 2 - Are the proposed activities a "Project" under CEQA Guidelines Section 15378? ☒ Yes ☐ No  
(Please select Yes or No)
- c. The Application is requesting funds solely for personnel and support to enforce OHV laws and ensure public safety. These activities would not cause any physical impacts on the environment and are thus not a "Project" under CEQA. ☐ Yes ☒ No  
(Please select Yes or No)
- d. Other. Explain why proposed activities would not cause any physical impacts on the environment and are thus not a "Project" under CEQA. DO NOT complete ITEMS 3 – 9

**ITEM 3 - Impact of this Project on Wetlands**

Impacts to wetlands and navigable waters are limited to water crossings within the OHV areas throughout the Forest. All crossings are designed to minimize impacts to wetlands and species occurring in those areas. Trails are also designed to avoid sensitive species' habitats through the use of barriers (e.g., fences and boulders) and the natural topography to avoid those areas. In addition, the Angeles National Forest Land and Resource Management Plan, its associated standards and guidelines, along with minimization measures including Best Management Practices (BMP's) set forth in the Forest Plan programmatic BA provides direction on species and habitat protection.

The following conservation measures will be implemented to avoid potential adverse impacts to these species and minimize the spread of noxious weeds from trail maintenance activities:

1. Spray-wash all equipment prior to the implementation of trail maintenance and/or trail reroute activities.
2. Conduct pre-project plant surveys along those trails that are scheduled for maintenance. Flag and avoid the Mt. Gleason's Paintbrush and Short-joint Beavertail Cactus to the extent possible.
3. Train maintenance crews to identify the San Diego Horned Lizard, a forest sensitive species, which is known to occur in the vicinity of the trail system.
4. Instruct trail maintenance crews to walk ahead of maintenance equipment to assure that horned lizards or other wildlife species are not on the trail and in harms way. When encountered, move to adjacent habitat.

**ITEM 4 - Cumulative Impacts of this Project**

The Forest will implement the recommendations in the study identified as (A Field Evaluation of the Use of Small Trail Tractors to Maintain and Construct OHV Trails on National Forests in California). This work was done under Natural Resource Professional Services Contract 53-91S8-NRM-08.

Since 1992, the Sweco 450 trail tractor has been utilized for trail construction and maintenance on both motorized and non-motorized forest trails. By using low impact equipment for trail maintenance, existing or potential cumulative impacts are minimized or eliminated. Mechanical characteristics [weight and track mobility] of the Sweco 450 provide the proper compaction and uniformity of the trail tread. Proper trail compaction allows the tread to remain stable and reduces soil erosion from the trail surface.

The trails that had water control devices constructed and maintained using low impact mechanized equipment had a reduction in erosion and soils loss. These trails are designed with the intent to be maintained using low impact equipment.

Trail maintenance is best done during mid-January through mid-May due to soil moisture. Sufficient moisture in the soil is conducive to proper compaction while using the low impact equipment. If periodic maintenance were not performed, a breakdown of the water control devices would occur and naturally lead to an increase erosion and soil loss.

Trail maintenance will include brushing, repair of rolling dips, drainage repairs, tread hardening and the use of flexible water bars. This will be accomplished by using the Sweco 450 tractor and hand labor. The minor trail relocation project will meet both State Standards and Forest Service Standards.

The project will result in an increase of use on the trail system due to the improved conditions of the trails. Users will be drawn to safe and properly maintained trails as opposed to creating routes around trails that have not been maintained properly.

#### **ITEM 5 - Soil Impacts**

The majority of trails at Rowher are at a 12-15% grade. The above-mentioned trails have been surveyed using the OHV Soil Loss Monitoring form. By using low impact equipment for trail maintenance and following the LMP/BMP and state soil standards will mitigate significant effects of trail maintenance and use on the resources. [LMP 4-23, 4-43, 4-45, 4-51]

#### **ITEM 6 - Damage to Scenic Resources**

No Forest OHV trail routes are within the view shed of a highway officially designated as a state scenic highway.

#### **ITEM 7 - Hazardous Materials**

Is the proposed Project Area located on a site included on any list compiled pursuant to Section 65962.5 of the California Government Code (hazardous materials)? (Please select Yes or No) ☐ Yes ☒ No

If YES, describe the location of the hazard relative to the Project site, the level of hazard and the measures to be taken to minimize or avoid the hazards.

#### **ITEM 8 - Potential for Adverse Impacts to Historical or Cultural Resources**

Would the proposed Project have potential for any substantial adverse impacts to historical or cultural resources? (Please select Yes or No) ☐ Yes ☒ No

If YES, describe the potential impacts and for any substantially adverse changes in the significance of historical or cultural resources and measures to be taken to minimize or avoid the impacts.

#### **ITEM 9 - Indirect Significant Impacts**

The potential for this project to cause impacts is significantly reduced with a well maintained trail. The users are more likely to stay on the trail system that is free of erosion problems, safe and is well designed to provide ease of passage. The designated trail system provides ample opportunities within the vicinity as to not cause user groups to go elsewhere. The existing sign system indicates type of use, difficulty, trail etiquette and trail directions which encourages the user to utilize the provided system. Trails that are being repaired are generally kept open and if closed, would only be for short periods during the week when use is light. Only one segment of trail is worked on at a time which allows the users to utilize the remaining trail system minimizing the potential impacts off-site and the need for user groups to go elsewhere.

#### **CEQA/NEPA Attachment**

Attachments:

[CE](#)

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**1. Project Cost Estimate - Q 1. (Auto populates from Cost Estimate)**

1. As calculated on the Project Cost Estimate, the percentage of the cost of the Project covered by the Applicant is 3

(Check the one most appropriate) (Please select one from list)

- ☐ 76% or more (10 points)  
☐ 51% - 75% (5 points)  
☒ 26% - 50% (3 points)  
☐ 25% (Match minimum) (No points)

**2. Failure to Complete - Q 2.**

2. Failure to complete the Project would result in: 8

(Check all that apply) : Maximum of 8 points (Please select applicable values)

- ☒ Loss of OHV Opportunity (6 points)  
☒ Negative impact to cultural sites (2 points)  
☐ Damage to special-status species or other sensitive habitat (2 points)  
☐ Potential trespass (2 points)  
☐ Additional damage to Facilities (1 point)

Explain each statement that was checked

The failure to complete this project for trail maintenance and conservation will result in the loss of OHV opportunity due to lack of routine maintenance on the trail system resulting soil loss and impacts to endangered species habitats and result in the trail to be come unsafe for the users thus encouraging them to leave the designated trails resulting in damage to natural and cultural resources. Some OHV trails are located in or by known archeological sites. These OHV trails would have to be closed to protect these natural and cultural resources

**3. Sustain OHV Opportunity - Q 3.**

3. The Project would sustain OHV Opportunity by 13

(Check all that apply) (Please select applicable values)

- ☒ Maintaining trail or road tread (5 points)  
☒ Installing or repairing erosion control features (3 points)  
☒ Providing traffic control and/or educational signage (3 points)  
☒ Maintaining multi use (ATV, Dirt Bikes, 4x4, etc) (1 point)  
☒ Providing varied levels of riding difficulty (1 point)

Explain each statement that was checked

The ANF maintains 60 miles of 4x4, ATV and dirt bike routes ranging from easy to most difficult. Regular trail maintenance and conservation efforts will result in the routes not becoming unsafe for the users thus encouraging them to leave the designated trails resulting in damage to natural and cultural resources.

The use of barriers such as field fencing, pipe and cable, boulders and railroad tie barriers will be utilized along with natural vegetation and topography to insure the protection of natural and cultural resources and prevent OHV use outside of designated areas and off of designated dirt bike, ATV and 4x4 routes. Signs such as educational and regulatory are maintained in the staging areas and at trailheads.

**4. Public Input - Q 4.**

4. The Project was developed with public input employing the following 1

(Check all that apply) : Maximum of 2 points (Please select applicable values)

- ☐ Meeting(s) with the general public to discuss Project (1 point)
- ☐ Conference call(s) with interested parties (1 point)
- ☒ Meeting(s) with stakeholders (1 point)

Explain each statement that was checked

The forest meets every month with the California Trail Users Coalition (CTUC) that consists of users from the motorized and non-motorized communities to develop OHV related projects.

**5. Utilization of Partnerships - Q 5.**

5. The Project will utilize partnerships to successfully accomplish the Project. The number of partner organizations that will participate in the Project are 4

(Check the one most appropriate) (Please select one from list)

- ☒ 4 or more (4 points)
- ☐ 2 to 3 (2 points)
- ☐ 1 (1 point)
- ☐ None (No points)

List partner organization(s):

The OHV clubs are part of the Adopt-A-Trail program and provide labor for monitoring and trail projects. The clubs involved include: Canyon Climbers, Antelope Valley Four Wheelers, High Desert Four Wheelers, California Trail Users Coalition (CTUC) and The Shamrocks Motorcycle Club

**6. Impact to Natural and Cultural Resources - Q 6.**

6. The Project will avoid and/or minimize impact to natural and cultural resources by 5

(Check all that apply) : Maximum of 7 points (Please select applicable values)

- ☒ Maintaining physical barriers to control OHV use (1 point)
- ☒ Protecting water quality (1 point)
- ☐ Providing bridges instead of wet crossings where appropriate (1 point)
- ☒ Protecting special-status species (1 point)
- ☐ Re-routing trails to divert away from riparian/wetlands areas (1 point)
- ☒ Providing sanitary facilities (1 point)
- ☒ Protecting cultural site(s) (1 point)
- ☐ Site design precludes the need for the above measures (7 points)

Explain each statement that was checked

This project will minimize the damage to natural and cultural resources by providing routine maintenance before trails become unsafe for the users thus encouraging them to leave the designated trails. Some OHV trails are located in or by known archeological sites or endangered species habitats and require physical barriers to ensure users stay in the designated areas reducing the damage natural and cultural resources. This project will also provide regular facility maintenance to reduce the amount of human waste and trash into the environment and damaging the water quality and wildlife habitats.

**7. Recycled Materials - Q 7.**

7. The Project incorporates recycled materials by utilizing

(Check all that apply) (Please select applicable values)

- ☐ Barrier materials which include recycled content or materials obtained onsite (1 point)
- ☐ Signs, sign posts or education kiosks which use products with recycled content (1 point)
- ☐ Erosion control features which use materials with recycled content (1 point)
- ☐ Paper used for trail maps which includes recycled content (1 point)
- ☐ Other products with recycled content (Specify) (1 point)

**8. Sustainable Technologies - Q 8.**

8. The Project makes substantial use of sustainable technologies such as 0

- Alternative fuel vehicles and equipment
- Renewable energy sources (e.g., solar, wind)
- Low volatile organic compound emission materials (e.g., paint, sealants, carpet)
- Low flow plumbing fixtures
- Water efficient landscaping

(Check the one most appropriate) (Please select one from list)

☒ No (No points)

☐ Yes (4 points)

Explain 'Yes' response

**9. Motorized Access - Q 9.**

9. The Project improves and/or maintains facilities that provide motorized access to the following non-motorized recreation opportunities 6

(Check all that apply) Scoring: 2 points each, up to a maximum of 6 points (Please select applicable values)

☒ Camping

☒ Birding

☒ Hiking

☐ Equestrian trails

☐ Fishing

☐ Rock Climbing

☐ Other (Specify)